

Call sign: WWSG

Permit No.: BMPCT-890209XE

**Obstruction marking and lighting specifications for antenna structure:**

It is to be expressly understood that the issuance of these specifications is in no way to be considered as precluding additional or modified marking or lighting as may hereafter be required under the provisions of Section 303(g) of the Communications Act of 1934, as amended.

**Paragraph A, FCC Form 715-A (Nov. 1983):**

There shall be installed at the top of the antenna structure a white capacitor discharge omnidirectional light which conforms to FAA/DOD Specification L-856, High Intensity Obstruction Lighting Systems. This light shall be mounted on the highest point of the structure. If the antenna or other appurtenance at its highest point is incapable of supporting the omnidirectional light, one or more such lights shall be installed on a suitable adjacent support with the lights mounted not more than 20 feet below the tip of the appurtenance. The lights shall be positioned so as to permit unobstructed viewing of at least one light from aircraft at any normal angle of approach. The light unit(s) shall emit a beam with a peak intensity around its periphery of approximately 20,000 candelas during daytime and twilight, and approximately 4,000 candelas at night.

**Paragraph B, FCC Form 715-A (Nov. 1983):**

Call sign: WHSG

Permit No.: BMPCT-89083SK2

## Paragraph E, FCC Form 715-A (Nov. 1983):

At the approximate one-fourth, one-half and three-fourths levels of the skeletal tower there shall be installed three or more high intensity light units which conform to FAA/DOD Specification L-856, High Intensity Obstruction Lighting Systems. The complement of units shall emit a white high intensity light and produce an effective intensity of not less than 200,00 candelas (daytime) uniformly about the antenna structure in the horizontal plane. The effective intensity shall be reduced to approximately 20,000 candelas at twilight, and to approximately 4,000 candelas at night. The light units shall be mounted in a manner to ensure unobstructed viewing from aircraft at any normal angle of approach, so that the effective intensity of the full beam is not impaired by any structural member of the skeletal framework. The normal angular adjustment of the beam centers above the horizontal shall be three degrees at the one-fourth level, two degrees at the one-half level and one degree at the three-fourths level.

## Paragraph H, FCC Form 715-A (Nov. 1983):

All lights shall be synchronized to flash simultaneously at 40 pulses per minute. The light system shall be equipped with a light sensitive control device which shall face the north sky and cause the intensity steps to change automatically when the north sky illumination on a vertical surface is as follows:

1. Day to Twilight: Shall not occur before the illumination drops to 60 footcandles, but shall occur before it drops to 30 footcandles.
2. Twilight to Night: Shall not occur before the illumination drops to 5 footcandles, but shall occur before it drops to 2 footcandles.
3. Night to Day: The intensity changes listed in 1. and 2. above shall be reversed in transitioning from the night to day modes.

Call sign: WRSO

Permit No.: BMDCT-890809XE

## Paragraph 1, FCC Form 715-A (Nov. 1983):

During construction of an antenna structure for which high intensity lighting is required, at least two lights shall be installed at the uppermost part of the structure. In addition, at each level where permanent obstruction lighting will be required, two similar lights shall be installed. Each temporary light shall consist of at least 1,500 candelas (peak effective intensity), synchronized to flash simultaneously at 40 pulses per minute. Temporary lights shall be operated continuously, except for periods of actual construction, until the permanent obstruction lights have been installed and placed in operation. Lights shall be positioned to ensure unobstructed viewing from aircraft at any normal angle of approach. If practical, the permanent obstruction lights may be installed at each level as the structure progresses. NOTE: If battery operated, the batteries should be replaced or recharged at regular intervals to preclude failure during operation.

1  
6

**VERIFIED DECLARATION OF CHARLES RUSSELL**

I, Charles Russell, a resident of Georgia, hereby declare under penalty of perjury of the laws of the State of Georgia and the United States of America as follows:

1. I am a real estate agent with American Land Mart, Inc., 1123 Brett Drive, S.W., Conyers, Georgia 30207, telephone number (404) 483-2323. I have been a licensed real estate agent for five years.

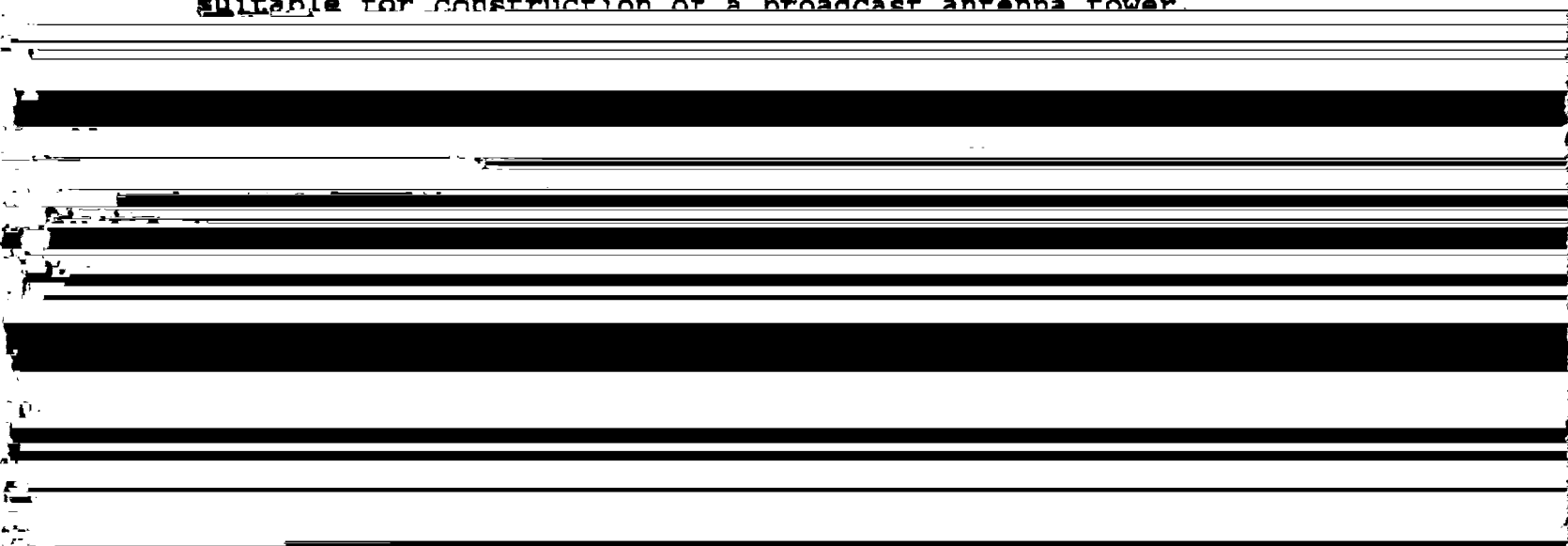
2. During the week of July 26, 1993 I was contacted by a Mr. Harvey Budd, who requested I investigate to see whether 15 to 20 acres or so of undeveloped real property was available in the Forsythe and Hall County areas for construction of a broadcast antenna tower. Mr. Budd also provided me with a map which identified a roughly triangular area of Forsythe and Hall county where I was to direct my search. A copy of that map is attached.

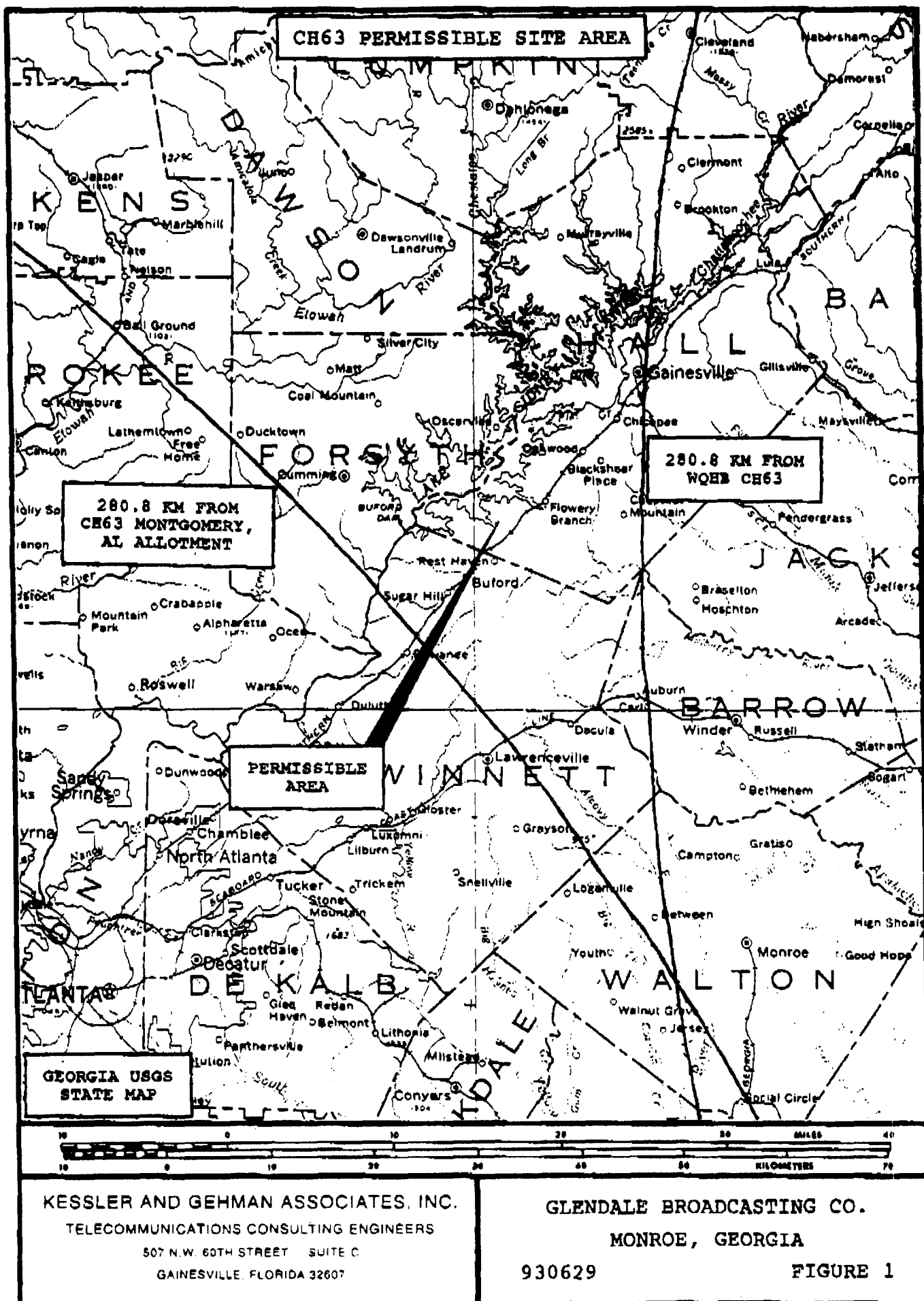
3. I understand the area identified in the attached map as the "permissible area" is an area from which an antenna tower for channel 63 to serve Monroe, Georgia could be constructed, and still comply with the channel spacing requirements of the Federal Communications Commission.

4. During the week of July 26, 1993 I searched for real property within the "permissible area" shown on the attached map, and I was able to locate three available parcels of real property within the "permissible area" from which I believe a broadcast antenna tower could be constructed in accordance with local building and zoning regulations. The parcels I located are as follows:

- a. There is a 20 acre parcel outside of Buford, Georgia, in Forsythe County. This property is off of Gaines Ferry Road. The property is listed with Buckhead Brokers, Sue Birchmore agent, 3350 Old Norcross Road, Duluth, Georgia 30136, telephone number (404) 623-1900. Ms. Birchmore is the owner's agent, and she confirmed that the property is available for purchase or long term lease. The property is listed for purchase at \$11,000 per acre.
- b. The second parcel is a 15 or 20 acre tract which is available out of 167 acres of property listed for sale just outside of Buford, Georgia in Forsythe County, near the intersection of State Highway 985 and Wadeorr Road. The owner's agent is Winston H. Collins, Winston H. Collins Company, 34 Ridgemire Trace, N.W., Atlanta, Georgia 30327, telephone number (404) 255-0018. Mr. Collins represents the owner and confirmed that the property is available for sale or possibly a long term lease. The property is listed for purchase at \$10,500 per acre.
- c. The third parcel is a 50.2 acre tract of land south of Oakwood, Georgia in Hall County. I spoke with the owner's agent, Larry Burel, W. L. Norton Agency, Inc., 200 Main Street, Gainesville, Georgia 30501, telephone number (404) 532-0022, and he confirmed the property is listed for sale at \$3,900 per acre. This site is also approximately two miles from another broadcast tower, that of WFOX(FM), Gainesville, Georgia.

5. Again, I believe all of the foregoing properties are suitable for construction of a broadcast antenna tower.









**BARAFF, KOERNER, OLENDER & HOCHBERG, P. C.**

ATTORNEYS AT LAW  
2033 M STREET, N.W., SUITE 700  
WASHINGTON, D. C. 20036-3355  
(202) 452-8200

B. JAY BARAFF  
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AARON P. SHAINIS  
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JAMES E. MEYERS  
ALAN E. ARONOWITZ  
RANDALL D. FISHER

OF COUNSEL  
ROBERT BENNETT LUBIC

TELECOPY  
(202) 223-2695

August 9, 1989

• TEXAS BAR ONLY

Ms. Donna R. Searcy  
Secretary  
Federal Communications Commission  
1919 M Street, N.W.  
Washington, D.C. 20554

Re: WHSG(TV), Channel 63  
Monroe, Georgia

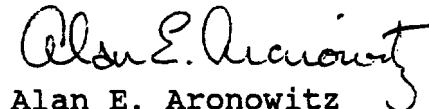
Dear Ms. Searcy:

Monroe Television, Inc., permittee of Station WHSG(TV), Monroe, Georgia, by its attorneys, herewith tenders an original and two copies of an application on FCC Form 301, to make minor modifications to the construction permit for the above-captioned facility.

Also enclosed is the requisite filing fee.

If any questions arise concerning this matter, kindly communicate with the undersigned.

Sincerely yours,



Alan E. Aronowitz  
COUNSEL FOR MONROE  
TELEVISION, INC.

Enclosure  
AEA:amc  
c:\wp\aea\080989

APPLICATION FOR CONSTRUCTION PERMIT FOR COMMERCIAL BROADCAST STATION

For COMMISSION Fee Use Only	FEE NO:	For APPLICANT Fee Use Only
	FEE TYPE	Is a fee submitted with this application? <input type="checkbox"/> Yes <input type="checkbox"/> No
	FEE AMT:	If fee exempt (see 47 C.F.R. Section 1.1112), indicate reason therefor (check one box): <input type="checkbox"/> Noncommercial educational licensee <input type="checkbox"/> Governmental entity
	ID SEQ: 11	FOR COMMISSION USE ONLY FILE NO. Bmpct-890809 KE

Section I - GENERAL INFORMATION

1. Name of Applicant  MONROE TELEVISION, INC.			Send notices and communications to the following person at the address below: Name Harvey M. Budd		
Street Address or P.O. Box 900 N. W. Eighth Avenue			Street Address or P.O. Box 900 N. W. Eighth Avenue		
City Gainesville	State FL	ZIP Code 32601	City Gainesville	State FL	ZIP Code 32601
Telephone No. (include Area Code) (904) 371-7772			Telephone No. (include Area Code) (904) 371-7772		

2. This application is for: ☐ AM ☐ FM ☒ TV

(a) Channel No. or Frequency 63	(b) Principal Community	City Monroe	State GA
------------------------------------	-------------------------	----------------	-------------

(c) Check one of the following boxes:

☐ Application for NEW station

☐ MAJOR change in licensed facilities; call sign: \_\_\_\_\_

☐ MINOR change in licensed facilities; call sign: \_\_\_\_\_

☐ MAJOR modification of construction permit; call sign: \_\_\_\_\_

File No. of construction permit: \_\_\_\_\_

☒ MINOR modification of construction permit; call sign: \_\_\_\_\_ WHSG

File No. of construction permit: \_\_\_\_\_ BPCT-861216GL

☐ AMENDMENT to pending application; Application file number: \_\_\_\_\_

NOTE: It is not necessary to use this form to amend a previously filed application. Should you do so, however, please submit only Section I and those other portions of the form that contain the amended information.

3. Is this application mutually exclusive with a renewal application? ☐ Yes ☒ No

If Yes, state:

Call letters	Community of License	
	City	State

APPLICATION FOR MODIFICATION  
OF CONSTRUCTION PERMIT  
TELEVISION BROADCAST STATION WHSG  
CHANNEL 63 ERP 5000 KW AT 363 METERS AAT  
MONROE TELEVISION, INC.  
MONROE, GEORGIA

890804

KESSLER AND GEHMAN ASSOCIATES, INC.

TELECOMMUNICATIONS CONSULTING ENGINEERS

Copyright: Monroe Television, Inc., 1989



1511 N.W. SIXTH STREET  
GAINESVILLE, FLORIDA 32601

Section V-C

TV BROADCAST ENGINEERING DATA

For Commission Use Only

File No. \_\_\_\_\_

ASB Referral Date \_\_\_\_\_

Referred by \_\_\_\_\_

Name of Applicant

MONROE TELEVISION, INC.

Call letters (if issued)

WHSB

Purpose of Application (check appropriate box(es))

☐

Construct new (radio) facility

☐

Construct new auxiliary facility

4. Does the application propose to correct previous site coordinates?

☐ Yes ☒ No

If Yes, list old coordinates.

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

5. Has the FAA been notified of the proposed construction?

☒ Yes ☐ No

If Yes, give date and office where notice was filed and attach as an Exhibit a copy of FAA determination, if available.

Exhibit No.

Date July 7, 1989 Office where filed Southern Regional Office, Atlanta, GA

DNA

6. List all landing areas within 8 km of antenna site. Specify distance and bearing from structure to the nearest point of the nearest runway.

	Landing Area	Distance (km)	Bearing (degrees True)
(a)	Whispering Pines	4.2	N 17° E
(b)			

7. (a) Elevation: (to the nearest meter)

(1) of site above mean sea level: 274 meters

(2) of the top of supporting structure above ground (including antenna, all other appurtenances, and lighting, if any); and 350 meters

(3) of top of supporting structure above mean sea level [(a)(1) + (a)(2)]. 274.32 + 350.22 625 meters

(b) Height of antenna radiation center: (to the nearest meter)

(1) above ground; 343 meters

(2) above mean sea level [(a)(1) + (b)(1)]; and 617 meters

(3) above average terrain. 363 meters

8. Attach as an Exhibit sketch(es) of the supporting structure, labeling all elevations required in Question 7 above, except item 7(b)(3). If mounted on an AM directional-array element, specify heights and orientations of all array towers, as well as location of TV radiator.

Exhibit No.

\*Fig.2

9. Maximum visual effective radiated power 5000 kW

\* See attached engineering statement

## 10. Antenna:

(a) Manufacturer Dielectric Communications, Inc. (b) Model No. TFU-25 G - (RT)

(c) Is a directional antenna proposed?

☐ Yes ☒ No  
Exhibit No.

If Yes, specify major lobe azimuth(s) DNA degrees True and attach as an Exhibit all data specified in 47 C.F.R. Section 73.685.

DNA

(d) Is electrical beam tilt proposed?

☒ Yes ☐ No  
Exhibit No.

If Yes, specify 0.5 degrees electrical beam tilt and attach as an Exhibit all data specified in 47 C.F.R. Section 73.685.

\*Fig.3

(e) Is mechanical beam tilt proposed?

☐ Yes ☒ No  
Exhibit No.

If Yes, specify DNA degrees mechanical beam tilt toward azimuth \_\_\_\_\_ degrees True and attach as an Exhibit all data specified in 47 C.F.R. Section 73.685.

DNA

(f) The proposed antenna is (check only one box)



horizontally polarized



circularly polarized



elliptically polarized

11. Will the proposed facility satisfy the requirements of 47 C.F.R. Section 73.685(a) and (b)?

☒ Yes ☐ No  
Exhibit No.

If No, attach as an Exhibit justification therefor, including amounts and percentages of population and area that will not receive City Grade service.

DNA

12. Will the main studio be within the boundaries of the principal community to be served?

☒ Yes ☐ No  
Exhibit No.

If No, attach as an Exhibit justification pursuant to 47 C.F.R. Section 73.1125.

DNA

13. Does the proposed facility satisfy the requirement of 47 C.F.R. Section 73.610?

☐ Yes ☒ No  
Exhibit No.

\*

If No, attach as an Exhibit justification therefor, including a summary of any previously granted waiver(s).

14. Are there: (a) within 60 meters of the proposed antenna, any proposed or authorized FM or TV transmitters; or (b) in the general vicinity, any nonbroadcast (except citizens band or amateur) radio stations or any established commercial or governmental receiving stations?

☐ Yes ☒ No

If Yes, attach as an Exhibit a description of the expected, undesired effects of operations and remedial steps to be pursued, if necessary, and a statement accepting full responsibility for the elimination of any objectionable interference (including that caused by intermodulation) to facilities in existence or authorized prior to grant of this application. (See 47 C.F.R. Sections 73.685 (d) and (g).)

Exhibit No.

DNA

15. Attach as an Exhibit a topographic map that shows clearly, legibly and accurately, the location of the proposed

16. Attach as an Exhibit a map (Sectional Aeronautical Chart or equivalent) which shows clearly, legibly and accurately, and with the original printed latitude and longitude markings and a scale of distance in kilometers:

Exhibit No.

\* Fig.5

- (a) the proposed transmitter location, and the radials along which profile graphs have been prepared;
- (b) the City Grade, Grade A and Grade B predicted contours; and
- (c) the legal boundaries of the principal community to be served.

17. Specify area in square kilometers (1 sq. mi. = 2.59 sq. km.) and population (latest census) within the predicted Grade B contour.

Area 25,094 sq. km.

Population 2,457,715

18. For an application involving an auxiliary facility only, attach as an Exhibit a map (Sectional Aeronautical Chart or equivalent) that shows clearly, legibly, and accurately, and with latitude and longitude markings and a scale of distance in kilometers;

Exhibit No.

DNA

- (a) the proposed auxiliary Grade B contour; and
- (b) the Grade B contour of the licensed main facility for which the applied-for facility will be the auxiliary.

(Main facility license file number \_\_\_\_\_)

19. Terrain and Coverage Data (To be calculated in accordance with 47 C.F.R. Section 73.684)

Source of terrain data: (check only one box below)



Linearly interpolated 30-second database



7.5 minute topographic map

(Source: NGDC)



Other (briefly summarize):

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 3 to 16 km (meters)	Predicted Distances		
		To the City Grade Contour (kilometers)	To the Grade A Contour (kilometers)	To the Grade B Contour (kilometers)
78.3 .	<u>368</u>	<u>58.9</u>	<u>69.2</u>	<u>89.9</u>
0	<u>322</u>	<u>56.5</u>	<u>66.1</u>	<u>85.3</u>
45	<u>347</u>	<u>57.8</u>	<u>67.8</u>	<u>88.0</u>
90	<u>374</u>	<u>59.3</u>	<u>69.6</u>	<u>90.5</u>
135	<u>397</u>	<u>60.5</u>	<u>70.9</u>	<u>92.3</u>
180	<u>377</u>	<u>59.4</u>	<u>69.8</u>	<u>90.8</u>
225	<u>375</u>	<u>59.3</u>	<u>69.6</u>	<u>90.5</u>
270	<u>350</u>	<u>58.0</u>	<u>68.0</u>	<u>88.2</u>
315	<u>360</u>	<u>58.5</u>	<u>68.7</u>	<u>89.2</u>

\* Radial through principal community, if not one of the major radials. This radial should NOT be included in calculation of HAAT.

\* See attached engineering statement

20. Environmental Statement (See 47 C.F.R. Section 1.1301 et seq.)

Would a Commission grant of this application come within Section 1.1307 of the FCC Rules, such that it may

☐☐



ENGINEERING STATEMENT OF KEITH G. BLANTON OF THE FIRM OF  
KESSLER AND GEHMAN ASSOCIATES, INC., CONSULTING ENGINEERS,  
IN CONNECTION WITH THE APPLICATION OF  
MONROE TELEVISION, INC.

FOR A MODIFICATION OF CONSTRUCTION PERMIT FOR  
TELEVISION BROADCAST STATION WHSG

WHICH WOULD OPERATE ON CHANNEL 63 WITH AN EFFECTIVE  
RADIATED POWER OF 5000 KILOWATTS VISUAL, 500 KILOWATTS AURAL  
AT AN EFFECTIVE ANTENNA HEIGHT OF 363 METERS ABOVE AVERAGE TERRAIN

1. Proposed engineering specifications.
2. Elevation drawing of the antenna system.
3. Proposed vertical radiation pattern.
4. USGS 7.5 minute topographic quadrangle showing the proposed transmitter location and coordinate lines.
5. Map showing the predicted 80 dBu, Grade A and Grade B contours.

#### TRANSMITTER LOCATION

It is proposed to top-mount the proposed channel 63 antenna on a 336 meter guyed tower to be erected in a rural area 9.9 km northeast of Lithonia, Georgia. There are no FM, TV or non-broadcast stations within 60 meters of the proposed site. The FAA was notified on July 7, 1989 of the proposed tower construction and is studying the proposal in Aeronautical Study No. 87-

channel 63 site of WTSU-TV at Montgomery, Alabama, File No. BPET-870716 KF, which is 264.1 km (164.1 miles) away where a 280.8 km (174.5 miles) separation is required. WTSU-TV has filed an application, File No. BMPET-881115 KD to operate from a site 291.8 km from the proposed site. It is my understanding that an agreement has been reached with the permittee of WTSU-TV to eliminate the short-spacing to the proposed site. The permittee of WTSU-TV will file an amendment to their application for modification of construction permit to move to a new site location which will meet the required separation requirements within thirty days of the filing of this application. In addition, the proposed site would exceed the minimum required separation from the Carrollton, Georgia Channel 49 reference point by 5.3 km (3.3 miles). The reference point is 101.0 km (62.8 miles) away where a 95.7 km (59.5 miles) separation is required.

#### AREA AND POPULATION ANALYSIS

The area within the Grade B contour was determined by using a polar planimeter on the original coverage map. The population served was determined by using United States 1980 Census data and a computer program which added the population in all enumeration districts whose centroids fall within the Grade B contour. The proposed Grade B contour will cover 25,094 square kilometers and serve 2,457,715 persons.

KESSLER AND GEHMAN ASSOCIATES, INC.

*Keith G. Blanton*

---

Keith G. Blanton, Consultant

August 7, 1989

890804

WHSB

MONROE, GEORGIA

ENGINEERING SPECIFICATIONS

A. Transmitter Site

Geographic coordinates determined from USGS Topographic Quadrangle

North Latitude 33° 44' 22"

West Longitude 84° 00' 14"

Street Address 9.9 km northeast of Lithonia, Rockdale County, Georgia

B. Main Studio Site

Street Address To be determined  
Monroe, Walton County, Georgia

C. Proposed Facility

Channel	Number	63
	Frequency	764-770 MHz

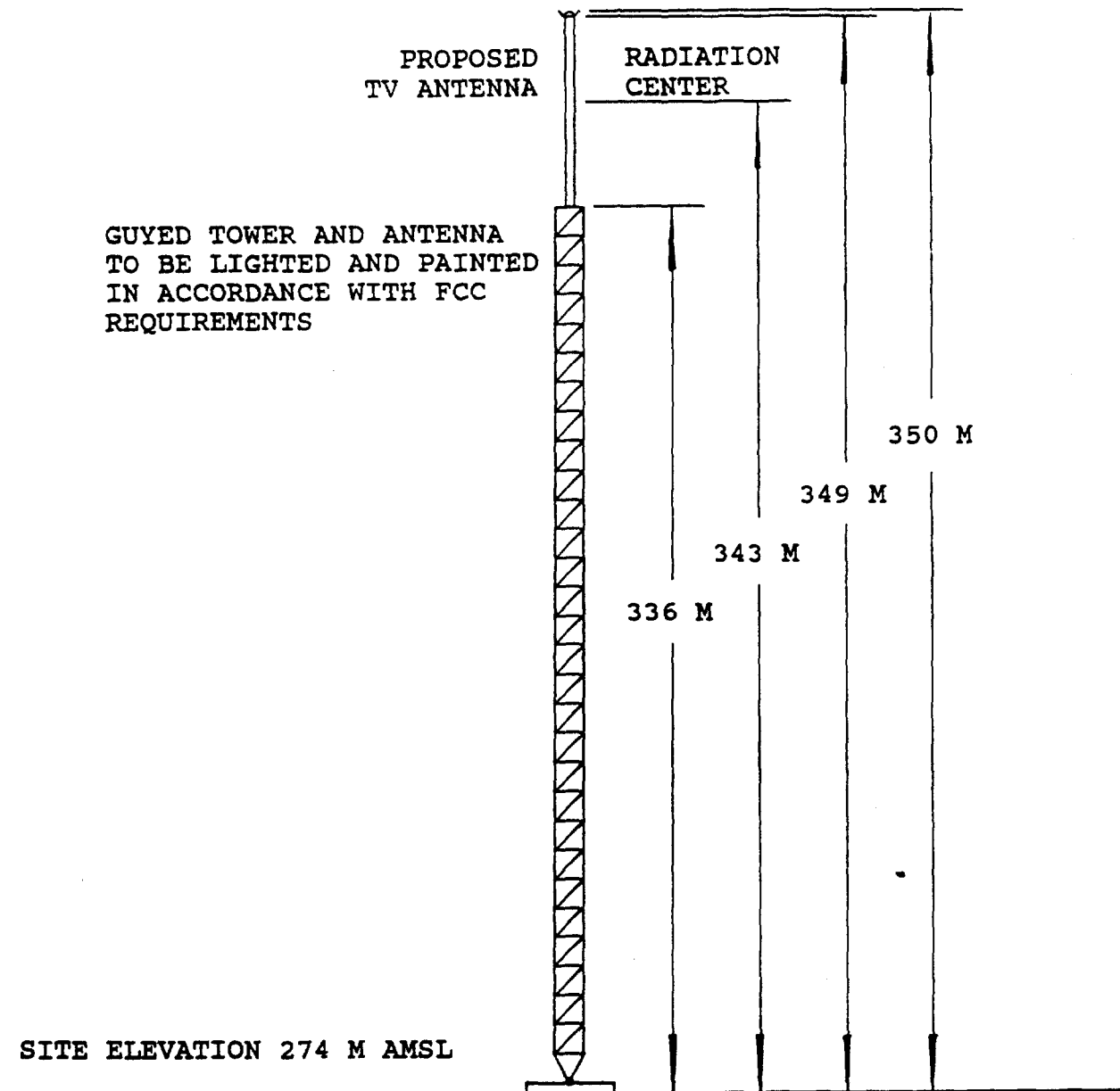
D. Antenna Height

Height of site above mean sea level	274	Meters
Overall height of structure above ground (including all appurtenances)	350	Meters
Overall height of structure above mean sea level (including all appurtenances)	625	Meters
Height of site above average terrain	20	Meters
Effective height of antenna above ground	343	Meters
Effective height of antenna above average terrain	363	Meters
Effective height of antenna above mean sea level	617	Meters

E. Proposed Operation

	<u>Visual</u>	<u>Aural</u>
Transmitter power output	233.9 kW	23.4 kW
	23.69 dBk	13.69 dBk
Multiplexer loss	Incl.	Incl.
Input to transmission line	23.69 dBk	13.69 dBk
Transmission line loss	0.68 dB	0.68 dB
Input to antenna	23.01 dBk	13.01 dBk
Maximum antenna gain in beam maximum	13.98 dB	13.98 dB
Maximum antenna gain in horizontal plane	13.07 dB	13.07 dB
Maximum effective radiated power in beam maximum	36.99 dBk 5000 kW	26.99 dBk 500 kW
Maximum effective radiated power in horizontal plane	36.08 dBk 4055 kW	26.08 dBk 405.5 kW

ELEVATION VIEW



OVERALL HEIGHT, AGL 350 M  
OVERALL HEIGHT, AMSL 625 M  
RADIATION CENTER, AGL 343 M  
RADIATION CENTER, AMSL 617 M

COORDINATES:  
N. LATITUDE 33° 44' 22"  
W. LONGITUDE 84° 00' 14"

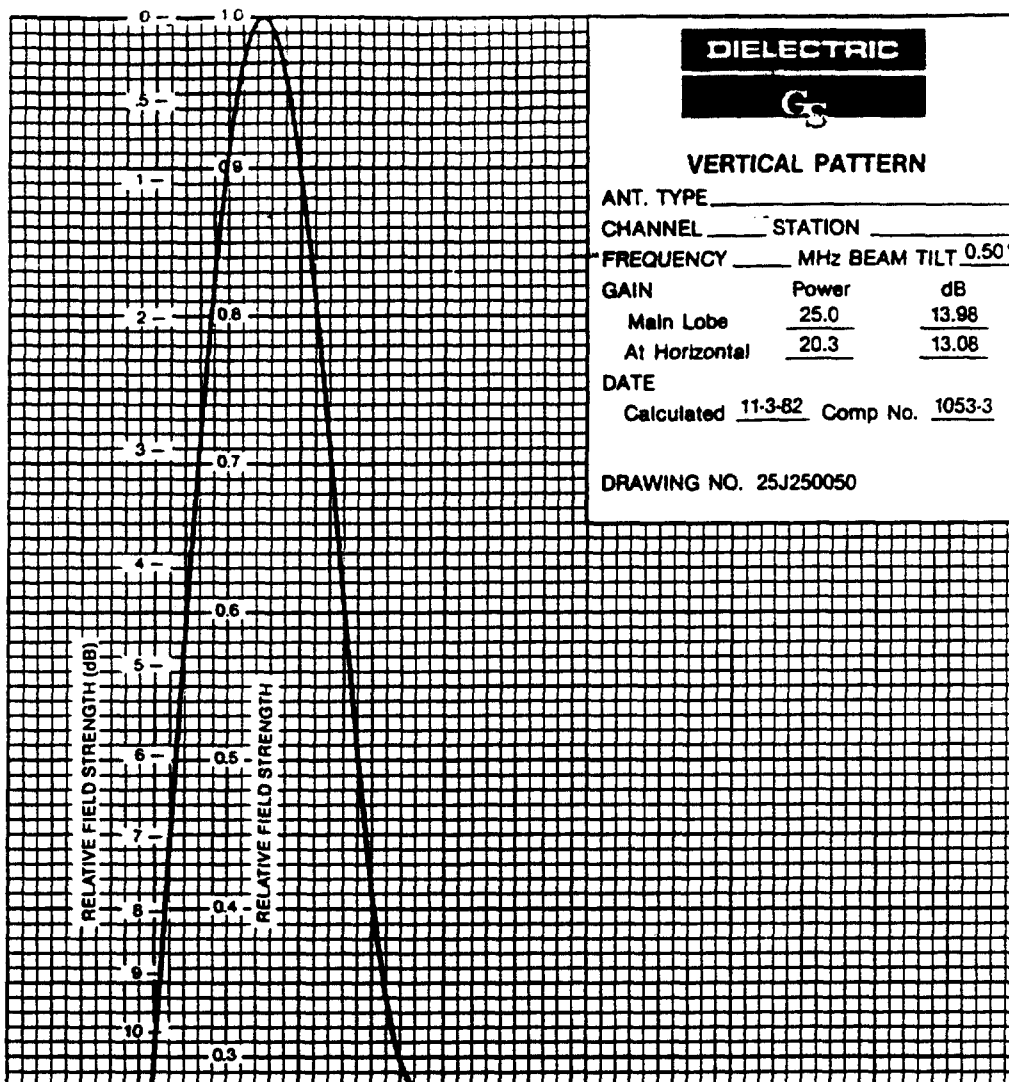
NOTE: NOT TO SCALE

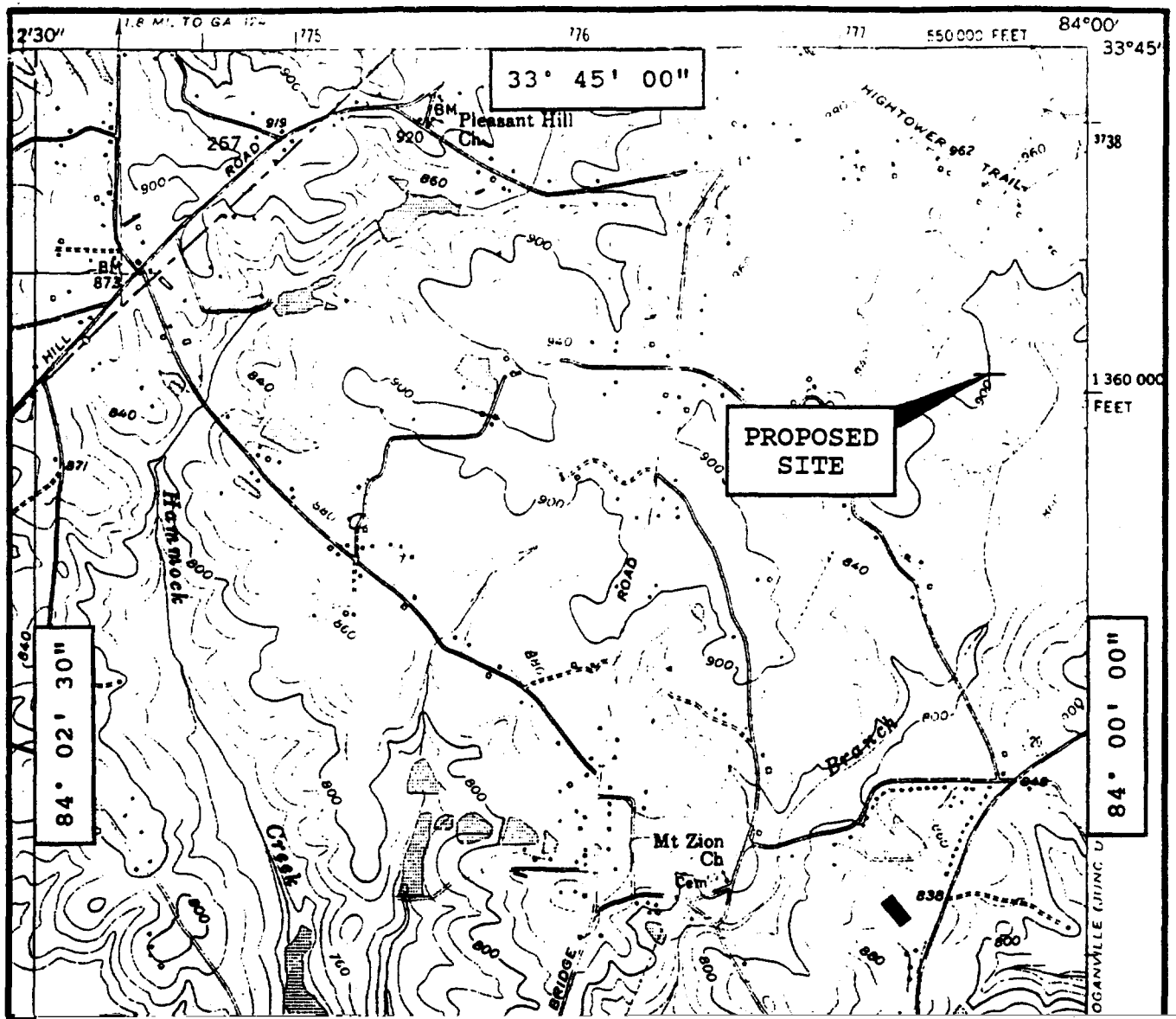
KESSLER AND GEHMAN ASSOCIATES, INC.  
TELECOMMUNICATIONS CONSULTING ENGINEERS  
1511 N.W. SIXTH STREET GAINESVILLE, FLORIDA 32601  
904-376-3157 904-373-5225

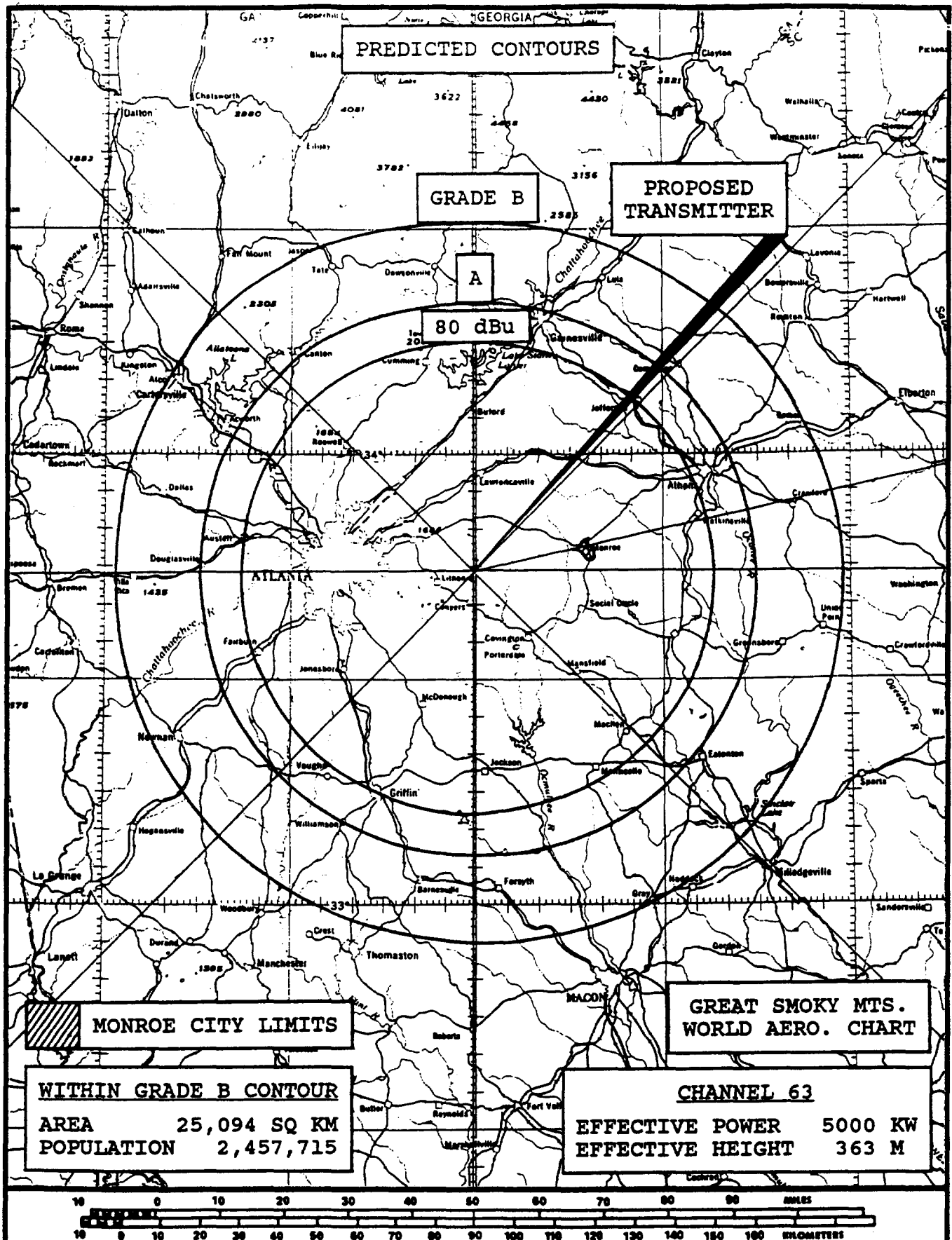
WHSG  
MONROE, GEORGIA

890804

FIGURE 2







KESSLER AND GEHMAN ASSOCIATES, INC.  
 TELECOMMUNICATIONS CONSULTING ENGINEERS  
 1511 N.W. SIXTH STREET GAINESVILLE, FLORIDA 32601  
 904-376-3157 904-373-5225

WHSG  
 MONROE, GEORGIA

890804

FIGURE 5



SECTION VI - EQUAL EMPLOYMENT OPPORTUNITY PROGRAM

1 Does the applicant propose to employ five or more full-time employees?

☐ Yes ☐ No

If Yes, the applicant must include an EEO program called for in the separate Broadcast Equal Employment Opportunity Program Report (FCC 896-A).

SECTION VII - CERTIFICATIONS

1 Has or will the applicant comply with the public notice requirement of 47 C.F.R. Section 73.3560?

☒ Yes ☐ No

2 Has the applicant reasonable assurance, in good faith, that the site or structure proposed in Section V of this form, as the location of its transmitting antenna, will be available to the applicant for the applicant's intended purpose?

☒ Yes ☐ No

Exhibit No.

If No, attach as an Exhibit, a full explanation.

reasonable assurance is not based on applicant's ownership of the proposed site or structure, applicant certifies that it has obtained such reasonable assurance by contacting the owner or person possessing control of the site or structure.

Name of Person Contacted

Clarence Hall

Telephone No. (include area code)

(404) 388-7700

Person contacted: (check one box below)

☒ Owner

☐ Owner's Agent

☐ Other (specify)

The APPLICANT hereby waives any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations, and that all exhibits are a material part hereof and incorporated herein.

The APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

In accordance with 47 C.F.R. Section 1.55, the APPLICANT has a continuing obligation to advise the Commission, through amendments, of any substantial and significant changes in information furnished.